

Converting Colors

CIELCh(45, 14.353, 165.542)

Have a look what the booklet for
CIELCh(45, 14.353, 165.542)
contains.

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Color

CIELCh(45, 14.344, 165.050)

Conversions

Conversions Part 1

Format	Color
Hex	537164
RGB	83, 113, 100
RGB Percent	33%, 44%, 39%
CMY	0.6749, 0.5572, 0.6082
CMYK	0.27, 0.00, 0.12, 0.56
HSL	154°, 15%, 38%
HSV	154°, 27%, 44%
XYZ	11.7491, 14.5417, 14.2203
YIQ	102.5480, -13.7070, -10.4030

Conversions

Conversions Part 2

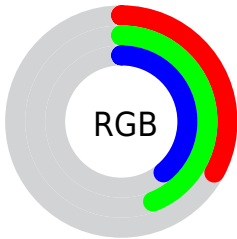
Format	Color
R_{YB}	83, 102, 113
Decimal	5468516
CIE Lab	45.00, -13.86, 3.70
CIE LCh	45, 14.344, 165.050
Yxy	14.5417, 0.2900, 0.3590
Android (android.graphics.Color)	4283658596 (0xFF537164)
YUV	102.5480, -1.2562, -17.1436
Hunter-Lab	38.1336, -11.7371, 4.5838

Details

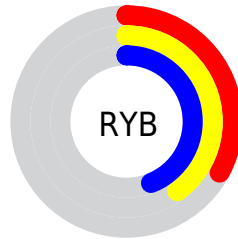
The CIELCh color **45, 14.344, 165.050** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 14.973, 349.843**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 14.390, 165.447**, and **25, 14.451, 163.882** is the 20% darker color. If you saturate the color by 10%, you get **44, 19.543, 163.980**, and if you desaturate by 10%, it is **46, 8.998, 166.022**.

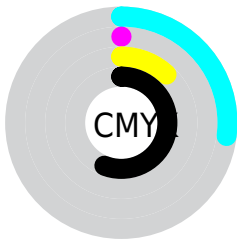
Distribution



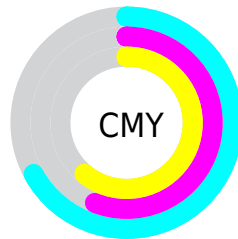
- Red (33%)
- Green (44%)
- Blue (39%)



- Red (33%)
- Yellow (40%)
- Blue (44%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (56%)





- Cyan (67%)
- Magenta (56%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 14.344, 165.050 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 45, 14.344, 165.050 by changing the saturation by 10% instead.


 45, 14.344,
165.050


 45, 14.344,
165.050


 100, 14.344,
165.050


 35, 14.344,
165.050

 65, 14.344,
165.050


 25, 14.344,
165.050

 75, 14.344,
165.050

 15, 14.344,
165.050


 85, 14.344,
165.050

 5, 14.344, 165.050

 95, 14.344,
165.050

 0, 14.344, 165.050

 45, 14.344,

 45, 14.344,

165.050

165.050

■ 44, 19.543,
163.980

■ 46, 8.998, 166.022

■ 44, 24.512,
162.796

■ 47, 3.572, 166.948

■ 43, 29.169,
161.472

■ 48, 1.871, 347.524

■ 42, 33.437,
159.989

■ 50, 12.626,
349.097

■ 42, 37.253,
158.325

■ 52, 17.874,
349.756

■ 42, 40.582,
156.470

■ 53, 23.007,
350.375

■ 42, 43.501,
154.495

■ 55, 28.015,
350.959

■ 41, 44.490,
153.865

■ 56, 32.890,
351.513

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45, 14.344, 165.050



39, 14.973, 349.843

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 14.344, 165.050



45, 14.344, 215.050



45, 14.344, 345.050



45, 14.344, 35.050

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45, 14.345, 165.048



60, 5.429, 166.792



46, 19.054, 129.661



31, 3.833, 166.678



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 14.345, 165.048



57, 21.430, 164.389



45, 10.778, 203.013



23, 3.043, 166.720



44, 46.569, 153.703



86, 81.699, 152.300

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39, 14.973, 349.843



48, 22.596, 350.554



39, 12.816, 25.256



22, 3.090, 348.102



24, 48.305, 6.403



53, 82.613, 9.431

Previews

White Background



This preview shows how the CIELCh color 45, 14.344, 165.050 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 14.344, 165.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

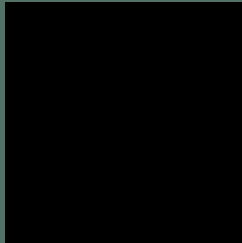
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 14.344, 165.050

Background



This preview shows how black text looks on a background with the CIELCh color 45, 14.344, 165.050.



This preview shows how white text looks on a background with the CIELCh color 45, 14.344, 165.050.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


45, 14.344, 165.050

Protanopia

45, 6.176, 93.267

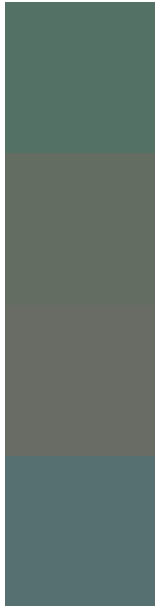
Deuteranopia

45, 6.380, 25.460



Tritanopia
45, 9.960, 231.420

Trichromacy



Original Color
45, 14.344, 165.050

Protanomaly
45, 8.095, 136.847

Deuteranomaly
45, 3.670, 122.776

Tritanomaly
45, 9.568, 201.944

Monochromacy



Original Color
45, 14.344, 165.050

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 5.439, 165.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 14.344, 165.050 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(83, 113, 100)` looks like.

```
.text, #text, p{  
    color:rgb(83, 113, 100)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(83, 113, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 113, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 14.344, 165.050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 113, 100) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(83, 113, 100) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(83, 113, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 113, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 113, 100);  
box-shadow:4px 4px 4px 4px rgb(83, 113,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 14.344, 165.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 113, 100) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(83, 113,  
100) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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